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FROM: Peter J. Yim
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DATE: June 30, 2005

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Comments:**PLEASE PROCESS THE ATTACHED.**

Re: U.S. Patent Application No. 10/608,300

For: OPTICAL METROLOGY OF STRUCTURES FORMED ON
SEMICONDUCTOR WAFERS USING MACHINE LEARNING
SYSTEMS

By: Srinivas DODDI et al.

Our reference: 50998-20055.00

Attached is the following:

1. Transmittal (1 page)
2. Amendment Under 37 C.F.R. 1.111 (10 pages)

sf-1957146

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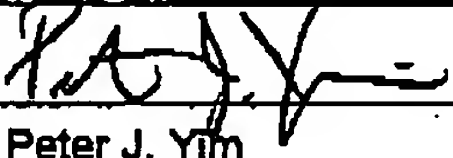
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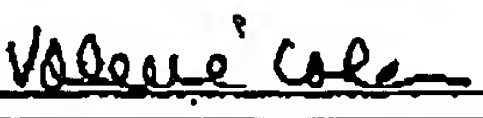
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/608,300	
	Filing Date	June 27, 2003	
	First Named Inventor	Srinivas DODDI	
	Art Unit	2121	
	Examiner Name	J. Zhu	
Total Number of Pages in This Submission	11	Attorney Docket Number	509982005500

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply (10 pages) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Facsimile Cover Sheet
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Firm Name	MORRISON & FOERSTER LLP (Customer No. 20872)		
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Printed name	Peter J. Yin		
Date	June 30, 2005	Reg. No.	44,417

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Dated: June 30, 2005

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Valerie Cohen
(Valerie Cohen)

Docket No.: 509982005500
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Srinivas DODDI et al.

Application No.: 10/608,300

Filed: June 27, 2003

Art Unit: 2121

For: OPTICAL METROLOGY OF STRUCTURES
FORMED ON SEMICONDUCTOR WAFERS
USING MACHINE LEARNING SYSTEMS

Examiner: J. Zhu

AMENDMENT UNDER 37 C.F.R. 1.111

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This is in response to the non-final Office Action dated March 30, 2005, (Part of Paper No./Mail Date 20050321), for which a response is due on June 30, 2005. Accordingly, this response is timely filed. Reconsideration and allowance of the pending claims, as amended, in light of the remarks presented herein are respectfully requested.

sf-1957155